

6.00 PREPARATION & ABATEMENT – SUB-BASEMENT BOILER ROOM

.01 This section is intended to specify the acceptable methods for the removal of friable asbestos containing material and asbestos abatement cleaning listed in *Sections 1.01 - 1.02* utilizing full containment protocols.

- a. Note that the School District of Philadelphia Environmental Team discovered suspect material within a damaged portion of fiberglass duct insulation in the sub-basement Boiler Room during a tour of the building. Typically, fiberglass duct insulation has been known industry-wide as a material not suspected of containing asbestos containing material.
- b. The asbestos containing cement associated with the duct insulation is concealed between fiberglass duct insulation panels and outer canvas lagging. This outer lagging became damaged at several impact locations during construction, revealing the ACM within.
- c. An EPA Certified Building Inspector bulk sampled the cement and the material was confirmed asbestos containing by an NVLAP accredited laboratory.
- d. Upon discovery and confirmatory testing of the material, all Contractors working in the sub-basement Boiler Room were evacuated and the area was isolated from all other occupied areas of the building with triple-flap airlocks present at the basement entrance door adjacent to the buildings' elevators and Stairwell B. The entrance to the sub-basement Boiler Room in Stairwell C was sealed entirely using critical barriers consisting of two (2) separate identifiable layers of six-mil polyethylene sheeting.
- e. A preliminary asbestos abatement cleaning effort was performed in the sub-basement Boiler Room along with TEM air sampling. The results of the TEM air samples yielded results that are deemed unacceptable for re-occupancy.
- f. The scope of work herein is a corrective actions response to this timeline of events.

.02 Post OSHA specified, asbestos specific danger signs at the entrance to the work area. Such signs shall also be posted when applicable to decontamination chambers, bag-out chambers, critical and separation barriers, and waste storage containers.

.03 Access to the sub-basement Boiler Room shall be restricted by isolation barriers or lockable doors.

- a. Wooden isolation barriers shall be erected to completely isolate the work area from any occupied areas of the building.
 1. Isolation barriers shall be eight (8) feet high and shall be constructed of minimum $\frac{3}{8}$ " fire-rated plywood supported by 2'x3' stud framing, or equivalent, placed on sixteen-inch (16") centerlines. Appropriate footings and bracings shall be installed to provide proper support.
- b. An isolation barrier shall be installed over the boiler room elevator door opening in the Boiler Room elevator lobby area.

.04 The AAC shall extend the existing work area containment to include Stairwell C (sub-basement to basement level) and the sub-basement Electrical Room on the west end of the building.